



COMMONWEALTH of VIRGINIA

Department of Health
DIVISION OF SHELLFISH SANITATION
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OCCOHANNOCK CREEK
Growing Area # 084
Accomack and Northampton Counties
Shoreline Sanitary Survey

Date: 16 May 2007

Survey Period: July 10, 2006 – April 27, 2007

Total Number of Properties Surveyed: 814

Surveyed By: S.E. Naylor and S.E. Price

SECTION A: GENERAL

This survey area extends from Reference Point 84 at Poles (or Powells) Bluff to Reference Point 85 at Nassawadox Point, including the Chesapeake Bay shoreline between these two points, Occohannock Creek and its tributaries of Tawes Creek, Scarborough Gut, Shields Cove (Shields Creek), Taylor Branch, Wescott Cove, Fisher Cove, Mt. Airy Cove, Johnson Cove, and Killmon Cove.

Elevations in the area consistently rise from 5'-10' very near the shoreline to heights of 30'-40' in the outer reaches of the watershed. There is very little marshland. The economy of the area is based primarily upon agriculture, seasonal recreational activities, and commerce. The population is relatively sparse, except for moderate concentrations in Belle Haven, Exmore, and Silver Beach.

Meteorological data indicated that the area received a total rainfall of 45.41" for the survey period, with tropical storm Ernesto making landfall in early September. A monthly breakdown is as follows:

July 10-31, 2006	2.91"	December	3.15"
August	3.48"	January 2007	1.72"
September	13.91"	February	2.88"
October	7.24"	March	2.22"
November	4.97"	April	2.93"

Significant changes from the previous survey include:

- Previous survey item # 26, solid waste dumpsite on Occohannock Neck Road, has been relocated to Wardtown, east of its previous location. The new site has paved surfaces with 6 large dumpsters, and recycling units which include waste oil and used battery disposal sites. The site is at a slight elevation, allowing for drainage to the roadside ditch.
- Previous survey item # 27, Clearview, under surveillance for potential boating activity, has shown no development of concern and was dropped from the current survey.

- New survey reveals extensive erosion and runoff from plasticulture and nursery fields, with field drainage outfalls to Occohannock Creek. Noticeable accumulation of eroded soils is evident at outfall in the areas of Hillsborough and Clearview. Rainfall events carry sufficient soil load to the watershed to turn Occohannock Creek muddy for a considerable distance downstream.

Copies of Bacteriological, Hydrographic and Shellfish Closure data are available at the area office for review. Copies of the current condemnation notices and maps are available via the internet at <http://www.vdh.virginia.gov/environmentalhealth/shellfish/>.

Information in this report is gathered by and primarily for use of the *Division of Shellfish Sanitation, Virginia Department of Health*, in order to fulfill its responsibilities of shellfish growing area supervision and classification. However, the data are made available to various agencies participating in shellfish program coordinated activities or other interested parties. The Engineering Appendix is available by request from the Richmond Office of the Division of Shellfish Sanitation.

Report copies are provided to the local health department for corrective action of deficiencies listed on the summary page in Sections B.2. and B.3. and the *Department of Environmental Quality* for their information. The *Division of Soil and Water Conservation, Department of Conservation and Recreation* is provided information on possible sources of animal pollution found in Section E.

This report lists only those properties which have a sanitary deficiency or have other environmental significance. "**Direct**" indicates that the significant activity or deficiency has a direct impact on shellfish waters. Individual field forms with full information on properties listed in this report are on file in the Richmond Office of the Division of Shellfish Sanitation and are available for reference until superseded by a subsequent resurvey of the area.

SECTION B: SEWAGE POLLUTION SOURCES

SEWAGE TREATMENT FACILITIES

-None-

ON-SITE SEWAGE DEFICIENCIES

1. CONTRIBUTES POLLUTION – Location: 35578 Occohannock Drive, Belle Haven 23306. Dwelling - beige vinyl 1 story with green shutters. No contact. Effluent erupting from green plastic septic lid to ground surface. Sanitary notice issued 11-July- 2006 to field # 18.
9. NO FACILITIES - Location: near 35316 Belle Haven Road, Belle Haven 23306. RV camper in use as dwelling for 1 person. No water, electric, or sewer hookups to RV. Septic line cap is missing. No other facilities present.

CONTRIBUTES POLLUTION (Kitchen and Laundry Wastes) - Washing machine in potato shed discharging to ground surface. Sanitary notice issued 1-March-2007 to field # 220.
12. CONTRIBUTES POLLUTION - Location: 35512 Belle Haven Road, Belle Haven 23306. Dwelling - cream asbestos 2 story with rusting metal roof and broken windows. Vacant. Top of septic tank is caved in with contents exposed. Sanitary notice issued 01-March-2007 to field # 232.

13. CONTRIBUTES POLLUTION - Location: 35518 Belle Haven Road, Belle Haven 23306. Dwelling - red shake 1 story. No contact. Unapproved plywood cover over open septic tank, effluent visible, odor apparent. Sanitary notice issued 01-March-2007 to field # 233.
14. CONTRIBUTES POLLUTION - Location: 35538 Belle Haven Road, Belle Haven 23306. Business - cream colored 1 story structure, Phillip's Hardware Store. Owner: Ronald Rampersaud, Belle Haven 23306. Sewage pipe broken during burglary and leaking effluent to ground surface. Commercial privy in need of service. Sanitary notice issued 01-March-2007 to field # 235.
15. CONTRIBUTES POLLUTION - Location: 14643 Shields Bridge Road, Belle Haven 23306. Dwelling - white aluminum 1 story with black shutters. 2 persons. Septic lid is damaged. Sanitary notice issued 09-March-2007 to field # 259.
16. CONTRIBUTES POLLUTION - Location: 14641 Shields Bridge Road, Belle Haven 23306. Dwelling - bright blue aluminum 1 story. 3 persons. Unapproved septic lid, 20 yards to roadside ditch. Sanitary Notice issued 09-March-2007 to field # 262.
17. CONTRIBUTES POLLUTION - Location: 14571 Shields Bridge Road, Belle Haven 23306. Dwelling - yellow and white 1 story. No contact. Damaged septic lid, 20 yards to roadside ditch. Sanitary Notice issued 09-March-2007 to field # 266.
20. CONTRIBUTES POLLUTION (Kitchen or Laundry Wastes) ***DIRECT*** - Location: 14165 Shields Bridge Road, Belle Haven 23306. Dwelling - tan 1 story on piers. No contact. Pipe from laundry room discharging to ground surface. Sanitary Notice issued 13-March-2007 to field # 292.
25. CONTRIBUTES POLLUTION - Location: 35592 Belle Haven Road, Belle Haven 23306. Dwelling - white asbestos 2 story. 1 person. Failing drain field, effluent erupting to ground surface. Sanitary Notice issued 22-March-2007 to field # 313.
26. CONTRIBUTES POLLUTION - Location: 35598 Belle Haven Road, Belle Haven 23306. Dwelling - green asbestos 2 story. 2 persons. Damaged septic lid. Sanitary Notice issued 22-March-2007 to field # 314.
27. CONTRIBUTES POLLUTION - Location: 15078 Lee Street, Belle Haven 23306. Dwelling - white vinyl 2 story. No contact. Septic tank has unapproved lid. Sanitary Notice issued 26-March-2007 to field # 330.
28. CONTRIBUTES POLLUTION - Location: 36094 Belle Haven Road, Belle Haven 23306. RV with uncapped sewer line. No contact. Sanitary Notice issued to 26-March-2007 to field # 339.
30. CONTRIBUTES POLLUTION - Location: 3178 Lankford Hwy, Exmore 23350. Public building, white 1 story. No contact. Sewer cover is missing. Sanitary Notice issued 28-March-2007 to field # 361.
31. CONTRIBUTES POLLUTION - Location: 3148 Lankford Hwy, Exmore 23350. Business - white frame 1 story. No contact. Broken and displaced sewer cover. Sanitary Notice issued 28-March-2007 to field # 362.

32. NO FACILITIES - Location: 11203 Occohannock Neck Road, Exmore 23350. Dwelling - pale-yellow cinderblock 1 story. No contact. Pit privy in unusable condition. Night pails in use. Sanitary Notice issued 28-March-2007 to field # 371.
 33. NO FACILITIES - Location: 11197 Occohannock Neck Road, Exmore 23350. Dwelling - red cinderblock 1 story. No contact. Pit privy interior covered in feces - unusable condition. Night pails in use. Sanitary Notice issued 28-March-2007 to field # 372.
 34. NO FACILITIES - Location: 11191 Occohannock Neck Road, Exmore 23350. Dwelling - unpainted cinderblock 1 story. 3 persons. Pit privy has broken door and caved-in seat, in unusable condition. Sanitary Notice issued 28-March-2007 to field # 373.
 35. NO FACILITIES - Location: 11193 Occohannock Neck Road, Exmore 23350. Dwelling - blue cinderblock 1 story. No contact. Pit privy has no door and riser covered in feces, in unusable condition. Night pails in use. Sanitary Notice issued 28-March-2007 to field # 374.
 36. NO FACILITIES - Location: 11177 Occohannock Neck Road, Exmore 23350. Dwelling - white wood frame 1 story. No contact. Pit privy has broken wall and is heavily soiled, unusable condition. Sanitary Notice issued 28-March-2007 to field # 375.
 37. NO FACILITIES - Location: 11173 Occohannock Neck Road, Exmore 23350. Dwelling - white cinderblock 1 story. No contact. Pit privy interior covered in feces - unusable condition. Night pails in use. Sanitary Notice issued 28-March-2007 to field # 376.
 38. NO FACILITIES - Location: 11167 Occohannock Neck Road, Exmore 23350. Dwelling - beige cinderblock 1 story. No contact. Pit privy is falling over and is unusable. Night pails in use. Sanitary Notice issued 28-March-2007 to field # 377.
 39. NO FACILITIES - Location: 11163 Occohannock Neck Road, Exmore 23350. Dwelling - light blue cinderblock 1 story. No contact. Pit privy is heavily soiled, in unusable condition. Sanitary Notice issued 28-March-2007 to field # 378.
 40. NO FACILITIES - Location: 11157 Occohannock Neck Road, Exmore 23350. Dwelling - light blue cinderblock 1 story. No contact. Privy has no door. Night pails in use. Sanitary Notice issued 28-March-2007 to field # 379.
 46. CONTRIBUTES POLLUTION – Location: 7283 Occohannock Neck Road, Exmore, 23350. Dwelling – white mobile home with burgundy trim. No contact. Damaged septic lid. Sanitary Notice issued 05-April-2007 to field # 486.
 54. CONTRIBUTES POLLUTION – Location: 4124 Battlepoint Road, Exmore 23350. Dwelling - terra-cotta colored wood frame 1 story. No contact. Eruption of effluent to ground surface following heavy rain event. Sanitary Notice issued 18-April-2007 to field # 618.
 55. CONTRIBUTES POLLUTION -- Location: 5375 Occohannock Neck Road, Exmore 23350. Dwelling – white wood frame 2 story. No contact. Failing drain field, effluent erupting to ground surface.
- CONTRIBUTES POLLUTION (Kitchen and Laundry Wastes) - Washing machine on back porch discharging to ground surface. Sanitary Notice issued 18-April-2007 to field # 665.

57. CONTRIBUTES POLLUTION – Location: 7005 Diagonal Street, Silver Beach. Dwelling – blue 1 story cottage. No contact. Septic tank is under 2 inches of water. Sanitary Notice issued 19-April-2007 to field # 691.
62. CONTRIBUTES POLLUTION – Location: 7006 Whittington Road, Silver Beach. Dwelling - white aluminum-sided 1 story cottage. No contact. Unapproved septic lid. Sanitary Notice issued 24-April-2007 to field # 719.
63. CONTRIBUTES POLLUTION -- Location: 7059 Chesapeake Avenue, Silver Beach. Dwelling – white wood frame cottage. No contact. Pit privy in state of collapse. Sanitary Notice issued 24-April-2007 to field # 730.
64. CONTRIBUTES POLLUTION – Location: 7116 Occohannock Neck Road, Silver Beach. Dwelling – white 1 story cottage. No contact. Unapproved septic lid. Sanitary Notice issued 25-April-2007 to field # 744.
65. CONTRIBUTES POLLUTION (Kitchen and Laundry Wastes) – Location: 7201 Silver Beach Place, Silver Beach. Dwelling – cream vinyl 1.5 story cottage. No contact. Washing machine on porch discharging to 12” hole in ground. Sanitary Notice issued 26-April-2007 to field # 765.

POTENTIAL POLLUTION

6. Location: 13528 Indian Trail Road, Belle Haven 23306. Dwelling – 2 story cedar shakes. 4 persons. Owner stated that toilets are slow to drain, possible septic problems.
8. Location: 34486 Big Pine Road, Belle Haven 23306. White frame church. No contact. 5” pipe of unknown origin protruding from side of building. No visible drainage.
10. Location: 35406 Belle Haven Road, Belle Haven 23306. Dwelling – white asbestos 2.5 story, vacant. Hole observed under septic lid.
11. Location: 35462 Belle Haven Road, Belle Haven 23306. Dwelling – white vinyl 2 story. No contact. Four pipes of unknown origin exiting rear of house.
18. Location: 14041 Shields Bridge Road, Belle Haven 23306. Dwelling – brown T1-11 sided 2.5 story. No contact. A 5” corrugated pipe of unknown origin protruding from soil. Clear fluid drainage.
21. Location: 14190 Shields Bridge Road, Belle Haven 23306. Dwelling – white vinyl 2.5 story with large outbuildings. No contact. Disused septic tank with unapproved cover. Pipe of unknown origin from rear of house to ground surface.
22. Location: 14218 Shields Bridge Road, Belle Haven 23306. Dwelling – white vinyl 2 story. No contact. 2 pipes of unknown origin from rear of house, 20 yards uphill from Creek.
23. Location: 15070 Shields Bridge Road, Belle Haven 23306. Dwelling – grey, pink, white asbestos tile 1 story. 2 persons. Junk-filled back yard adjacent to drainage ditch.
24. Location: 15074 Shields Bridge Road, Belle Haven 23306. Dwelling – white aluminum 1 story. 2 persons. Owner states ongoing problem with drain field during wet weather.

- 29. Location: 2314 Belle Haven Road, Belle Haven 23306. Dwelling – white vinyl 2 story. No contact. 3” pipe of unknown origin.
- 41. Location: 10450 Highland Court Road, Belle Haven 23306. Dwelling – grey vinyl 1 story. 1 person. Owner states problems with drain field.
- 44. Location: 3599 Grapeland Circle, Belle Haven 23306. Dwelling – vertical wood siding 2.5 story. No contact. 2” pipe of unknown origin from rear of house. No visible discharge.
- 45. Location: 2237 Creekview Road, Exmore 23350. Dwelling – brick ranch 1 story. 2 persons. Owner states occasional trouble with slow-draining septic.
- 48. Location: 6131 Winter Rose Court, Exmore 23350. Dwelling – brown T1-11 sided 1.5 story. No contact. Two 1” pipes of unknown origin.
- 53. Location: 4165 Battlepoint Road, Exmore 23350. Dwelling – mustard T1-11 sided 1 story. No contact. 1” pipe of unknown origin from under back porch.
- 56. Location: next to 4502 Beach Lane, Exmore 23350. Dwelling – white asbestos tile 1.5 story on edge of beach bank. No contact. 2” pipe of unknown origin from side of house to ground surface. No visible discharge.
- 58. Location: 7050 Diagonal Street, Silver Beach. Dwelling – white frame 1 story. No contact. 2” pipe of unknown origin discharging clear fluid to ground surface.
- 59. Location: 6432 Whittington Road, Silver Beach. Dwelling – tan vinyl 2.5 story. No contact. Two 1” pipes of unknown origin discharging clear fluid into open-topped coffee cans.
- 60. Location: 6440 Whittington Road, Silver Beach. Dwelling – white vinyl 1 story cottage. No contact. Two 4” pipes of unknown origin outfall to beach surface. No evidence of recent drainage.
- 61. Location: Between 6482 and 6496 Whittington Road, Silver Beach. Dwelling – light blue vinyl 2 story. No contact. Two 1” pipes of unknown origin to ground surface.
- 66. Location: near 7213 Kellam Drive. Dwelling – tan block 1 story. No contact. Two 1” pipes of unknown origin from back of house.

SECTION C: NONSEWAGE WASTE SITES

INDUSTRIAL WASTES

-None-

SOLID WASTE DUMPSITES

- 43. Occupant: Wardtown Municipal Waste Convenience Center (new site). Northampton County, PO Box 358, Eastville 23347. Public - satellite dumpster station. Located on-site were 6 dumpsters with recycling and sites for used batteries and motor oil.

SECTION D: BOATING ACTIVITY

MARINAS

3. Davis Wharf Marine, 11498 Davis Wharf Rd., Belle Haven 23306 (Owner Bob White). Marine - Commercial marina with 3 employees, 21 slips and 4 moorings. Present at time of survey were 2 work boats < 26', and 6 pleasure and 6 work boats > 26' wet stored, with 1 work boat > 26' dry stored. Boating services provided are fuel, water, electricity, railway, hoist, repair, and marine supplies. Sanitary facilities provided were 1 portable toilet serviced by commercial waste disposal company. Pump-out facility is a portable caddy pump and tank that is emptied into the portable toilet.

OTHER PLACES WHERE BOATS ARE MOORED

42. Morley's Wharf County Boat Ramp. Owner: Northampton County, PO Box 358, Eastville 23347. Public boat ramp and fishing pier. No moorings. Boating services provided are 2 in-out ramps, electricity, and water. Sanitary facilities consist of 2 portable toilets. Solid waste receptacles are present on fishing pier, and a dumpster is on premises. No pump out station is present.

UNDER SURVEILLANCE

-None-

SECTION E: CONTRIBUTES ANIMAL POLLUTION

2. Location: 35431 Occohannock Dr., Belle Haven 23306. Dwelling – beige asbestos 2 story. 2 persons. Present at time of survey were 13 goats in fenced pens. Manure is composted and applied to gardens.
4. Location: 35111 Davis Wharf Rd., Craddockville 23341. Dwelling – white vinyl 2 story. No contact. Present at time of survey were 3 poultry houses holding approximately 36,000 chickens total. Manure applied to fields.
5. Location: 13274 Indian Trail Road, Belle Haven 23306. Dwelling - white aluminum 1 story. 2 persons. Present at time of survey were 25+ chickens in fenced enclosure with natural manure disposal, 150' to free-flowing ditch.
7. **DIRECT** - Location: 14062 Indian Trail Road, Belle Haven 23306. Dwelling – grey vinyl 1 story. 3 persons. Present at time of survey were 2 horses in fenced pasture which is 5 feet from flowing ditch. Evidence of recent floodwaters in pasture draining to ditch.
19. **DIRECT** - Location: No street address; 4th house northeast of Shields Bridge, Belle Haven 23306. Dwelling – grey vinyl 2.5 story. No contact. Present at time of survey was 1 pony with 2 small pastures, one of which has fence standing in tidal soil on bank of Occohannock Creek.

47. Location: 7182 Batcheler Branch Road, Exmore 23350. Dwelling – cream vinyl 2 story with stable and backyard chicken house. No contact. Present at time of survey were 25+ chickens and guineas at liberty, and 3 horses and 1 steer in fenced pasture. No accumulated manure.
49. Location: 2608 Old Neck Road, Exmore 23350. Dwelling – tan vinyl 1.5 story on piers. No contact. Present at time of survey were 25+ chickens, and 4 goats in pasture, with natural manure disposal.
50. Location: 6240 Pleasant Cove Drive, Exmore 23350. Dwelling - white mobile home with built on addition. 2 persons. Present at time of survey were ~75 chickens in pen 200 yards from creek. No accumulated manure.
51. Location: 3258 Concord Wharf Road, Exmore 23350. Dwelling – white vinyl modern mobile home. No contact. Present at time of survey were 7 goats and sheep in fenced pasture and 8 chickens at liberty. Natural manure disposal.
52. Location: 6067 Occohannock Neck Road, Exmore 23350. Dwelling – tan and brown older mobile home. 1 person. Present at time of survey were 20 goats in fenced pasture with natural manure disposal.

SUMMARY

Area # 084
Occohannock Creek
16 May 2007

SECTION B: SEWAGE POLLUTION SOURCES

1. SEWAGE TREATMENT FACILITIES

0 – DIRECT – None
0 – INDIRECT – None
0 – B.1. TOTAL

2. ON-SITE SEWAGE DEFICIENCIES

Correction of deficiencies in this section is the responsibility of the local health department.

0 – CONTRIBUTES POLLUTION, DIRECT – None
20 – CONTRIBUTES POLLUTION, INDIRECT – # 1, 12, 13, 14, 15, 16, 17, 25, 26, 27, 28, 30, 31, 46, 54, 55, 57, 62, 63, 64
1 – CP (Kitchen or Laundry Wastes), DIRECT – # 20
3 – CP (Kitchen or Laundry Wastes), INDIRECT – # 9, 55, 65
0 – NO FACILITIES, DIRECT
10 – NO FACILITIES, INDIRECT – # 9, 32, 33, 34, 35, 36, 37, 38, 39, 40
34 – B.2. TOTAL

3. POTENTIAL POLLUTION -

Periodic surveillance of these properties will be maintained to determine any status change.

21 – POTENTIAL POLLUTION - # 6, 8, 10, 11, 18, 21, 22, 23, 24, 29, 41, 44, 45, 48, 53, 56, 58, 59, 60, 61, 66

SECTION C: NON-SEWAGE WASTE SITES

1. INDUSTRIAL WASTE SITES

0 – DIRECT – None
0 – INDIRECT – None
0 – C.1. TOTAL

2. SOLID WASTE DUMPSITES

0 – DIRECT – None
1 – INDIRECT – # 43
1 – C.2. TOTAL

SECTION D: BOATING ACTIVITY

1 – MARINAS – # 3
1 – OTHER PLACES WHERE BOATS ARE MOORED – # 42
0 – UNDER SURVEILLANCE – None
2 – D. TOTAL

SECTION E: CONTRIBUTES ANIMAL POLLUTION

2 – DIRECT – # 7, 19
8 – INDIRECT – # 2, 4, 5, 47, 49, 50, 51, 52
10 – E. TOTAL

Virginia Department of Health
Division of Shellfish Sanitation

Occohannock Creek
084
Shoreline Sanitary Survey

Accomack & Northampton
Counties

Date: 16 May 2007
Survey By: S.E. Naylor & S.E. Price
Number of Properties Surveyed: 814



0 0.5 1
Miles

Legend

Seawater Sampling Stations

- Active (blue star)
- Inactive (yellow star)

Shoreline Survey Deficiencies

- Sewage Treatment Facility - Direct (red star)
- Sewage Treatment Facility - Indirect (yellow star)
- Contributes Pollution - Direct (red square)
- Contributes Pollution - Indirect (yellow square)
- Contributes Pollution (Kitchen or Laundry wastes) - Direct (red triangle)
- Contributes Pollution (Kitchen or Laundry wastes) - Indirect (yellow triangle)
- No Facilities - Direct (red circle)
- No Facilities - Indirect (yellow circle)
- Potential Pollution (red diamond)
- Industrial Wastes, Direct (red circle)
- Industrial Wastes, Indirect (yellow circle)
- Solid Waste Dumpsite - Direct (red circle)
- Solid Waste Dumpsite - Indirect (yellow circle)
- Boating Activity (red triangle)
- Contributes Animal Pollution - Direct (red circle)
- Contributes Animal Pollution - Indirect (yellow circle)

Geographic coordinates in NAD83 datum:
shown in degrees, minutes & seconds.

